Contents Volume 23, 1989/1990

Sulphate control in chloride leaching processes
J.E. Dutrizac (Ottawa, Ont., Canada) 1
The leaching rate of tin metal in oxygenated sodium hydroxide solutions
L.S.Y. Lee and F. Lawson (Clayton, Vic., Australia) 23
Influence of thiocyanate ions on the kinetics and thermodynamics of palladium(II) extraction with dialkyl sulphides
G. Cote, K.M. Ganguly and D. Bauer (Paris, France) 37
Nucleation of electrodeposited copper on anodized titanium
J.-L. Delplancke (Bruxelles, Belgium), M. Sun, T.J. O'Keefe (Rolla, Mo., U.S.A.) and R. Winand (Bruxelles, Belgium) 47
Influence of surface-active substances on pertraction of cobalt (II) cations through bulk and emulsion liquid membranes
J. Strzelbicki (Wrocław, Poland) and S. Schlosser (Bratislava, Czechoslovakia) 67
The leaching of iron oxides in boehmitic bauxite by hydrochlorid acid
G. Patermarakis and Y. Paspaliaris (Athens, Greece) 77
O methyl-dihexyl-phosphine-oxide o'hexyl-2-ethyl phosphoric acid: A bifunctional extractant combining the properties of phosphine oxide and ester of phosphoric acid
A. Warshawsky, N. Kahana and R. Arad-Yellin (Rehovot, Israel) 91
Effect of internal recycle on mixer-settler performance
Ying-Chu Hoh, Shin-Jon Ju and Tai-Ming Chiu (Taiwan, R.O.C.) 105
Three-phase fluidized bed leaching of antimony refining slag
He Fuxu, Ren Hongjiu (Hunan, China), Shi Zhe and Luo Qingwen (Kunming, China) ... 119
Morphology of tin powder particles obtained in electrodeposition on copper cathode by constant and square-wave pulsating overpotential from Sn(II) alkaline solution
K.I. Popov, M.G. Pavlović (Belgrade, Yugoslavia) and J.N. Jovićević (Sarajevo, Yugoslavia) 127
Announcements 139
Leaching kinetics of tungsten from low-grade scheelite ore in aqueous Na_4EDTA solutions
Y. Konishi, H. Katada and S. Asai (Osaka, Japan) 141
Elemental sulphur formation during the ferric chloride leaching of chalcopyrite
J.E. Dutrizac (Ottawa, Ont., Canada) 153
Leaching behaviour of calcined magnesite with ammonium chloride solutions
A.M. Ranjitham and P.R. Khangaonkar (Madras, India) 177
Leaching of a copper–zinc bulk sulphide concentrate using an aqueous ferric sulphate dilute solution in a semicontinuous system. Kinetics of dissolution of zinc
I. Palencia, F. Carranza and M.J. Garcia (Sevilla, Spain) 191
A kinetic study of the ferric chloride leaching of an iron-activated bulk sulfide concentrate
P. Neou-Singouna and G. Fourlaris (Athens, Greece) 203
The influence of various ions in the bioleaching of metal sulphides
A. Ballester, F. González, M.L. Blázquez and J.L. Mier (Madrid, Spain) 221
Purification of metallurgical grade silicon by acid leaching
I.C. Santos (Sacavém, Portugal), A.P. Gonçalves (Sacavém, Portugal), C. Silva Santos (Sacavém, Portugal), M. Almeida (Sacavém, Portugal), M.H. Afonso (Lisboa, Portugal) and J.M. Cruz (Lisboa, Portugal) 237
Equilibria of solvent extraction of copper(II) with 5-dodecylsalicylaldoxine
K. Yoshizuka, H. Arita, Y. Baba and K. Inoue (Saga, Japan) 247
The cementation of gold by iron from cyanide solutions
C.C. Kenna, I.M. Ritchie and P. Singh (Murdoch, W.A., Australia) .....

Copper extraction in nitrate media
H.J. Bart (Graz, Austria), R. Marr (Graz, Austria), A. Bauer (Wiesbaden, F.R.G.), R. Schein (Wiesbaden, F.R.G.) and E. Marageter (Vienna, Austria) 281
Liquid–Liquid extraction of molybdenum(VI) from aqueous acid solutions by TBP and TOPO
T. Sato (Kingston, Ont., Canada), H. Watanabe (Hamamatsu, Japan) and H. Suzuki (Hamamatsu, Japan) 297
Distribution equilibria in the adsorption of cobalt(II) and nickel(II) on Levextrel resin containing Cyanex 272
K. Yoshizuka, Y. Sakamoto, Y. Baba and K. Inoue (Saga, Japan) 309
Studies on selective separation of Sc(III) from rare earth elements on selective ion-exchangers
Z. Hubicki (Lublin, Poland) 319
Application of extraction chromatography to the preparation of high-purity scandium oxide
Gue Gongyi and Chen Yuli (Shanghai, China) 333
The relationship between the open-circuit potential of a galena electrode and the dissolved lead concentration
M.D. Pritzker and R.H. Yoon (Blacksburg, VA, U.S.A.) 341
Determination of the hydrogen ion and chloride ion activities in hydrochloric acid
C. Sella and D. Bauer (Paris, France) 353
Ion exchange recovery of metals from waste water of complex sulfide hydrometallurgy
F. Mijangos and M. Diaz (Bilbao, Spain) 365
The kinetics of lime slaking
I.M. Ritchie and Zu Bing-An (Murdoch, WA., Australia) 377
Kinetics of dissolution of lead sulphate from waste battery scrap by aqueous triethanolamine solution
D.A. Begum, M.F. Isalam and R.K. Biswas (Rajshahi, Bangladesh) 397
Announcements 405
Addendum 407